



2122

1
#5B
C
3/24/02
m.f.

Applicant : Joseph Dale Helmick
Appl. No. : 09/878,811
Filed : 06/10/2001
Title : Uncertain and complex system teaches neural networks

Grp./A.U. : 2122
Examiner : Tom Black

Honorable Commissioner for Patents
Washington DC

RECEIVED
MAR 05 2002
Technology Center 2100

SUPPLEMENTAL AMENDMENT 2

Honorable Commissioner:

In good faith before the first office action, please accept this additional supplemental amendment for the above identified application as follows:

In the Claims

N.E. On page 12 Claim 1 paragraph 1 line 9, please delete the word "consisting" as follows:

(Amended) -- operating environment for nonlinear functional mapping of: --

N.E. On page 12 Claim 1 paragraph 2 line 6, please reverse the order of "and" and ";" as follows:

(Amended) -- individually or recombine in permutations to close the system loop; and --

N.E. On page 12 Claim 1 paragraph 3 line 1, please delete the words "programs coded with" as follows:

(Amended) -- the algorithms of the operators Δ representing *match-with-rotate* --

N.E. On page 12 Claim 1 paragraph 3 line 3, please reverse the order of "and" and ";" as follows:

(Amended) -- produce the data output sequences; and --

N.E. On page 14, please add independent Claim 14 as follows:

(Amended) -- An article of manufacture in computer readable medium for the programs of the algorithms with the operators Δ representing *match-with-rotate* algorithm (FIG. 2) and *yod* representing *cusp root method* algorithm (FIG. 3), and *zero vector* (*yod* null set) algorithm of 16 special angles seed matrix that produce the